

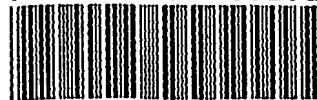
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PATENT COOPERATION TREATY

PCT

PCT Application

PCT/CN2003/000799




TRANSLATION

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 033651PC	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/CN03/00799	International filing date (day/month/year) 19.Sep.2003 (19.09.2003)	Priority date (day/month/year) 30.Jul.2003 (30.07.2003)
International Patent Classification (IPC) or national classification and IPC IPC ⁷ H04N7/18		
Applicant SHANGHAI VISART TECHNOLOGIES CO., LTD. et al.		
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>		
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>		
Date of submission of the demand 07.Mar.2005 (07.03.2005)	Date of completion of this report 22.Nov.2005 (22.11.2005)	
Name and mailing address of the IPEA/CN The State Intellectual Property Office, the P.R.China, 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088		Authorized officer  Telephone No. 86-10-62084647

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Box No. I Basis of the report

1. With regard to the language, this report is based on:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rules 12.3(a) and 23.1(b))
- ☐ publication of the international application (Rule 12.4(a))
- ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ the international application as originally filed/furnished
- ☐ the description:
- pages _____ as originally filed/furnished
- pages * _____ received by this Authority on _____
- pages * _____ received by this Authority on _____
- ☐ the claims:
- pages _____ as originally filed/furnished
- pages * _____ as amended (together with any statement) under Article 19
- pages * _____ received by this Authority on _____
- pages * _____ received by this Authority on _____
- ☐ the drawings:
- pages _____ as originally filed/furnished
- pages * _____ received by this Authority on _____
- pages * _____ received by this Authority on _____

- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement:

Novelty (N)

Claims 1-21

YES

Claims

NO

Inventive step (IS)

Claims 2, 10, 17

YES

Claims 1, 3-9, 11-16, 18-21

NO

Industrial applicability (IA)

Claims 1-21

YES

Claims

NO

2. Citations and explanations (Rule 70.7)

D1: CN1108784A (BEIJING CITY BAIXIN ELECTRONIC TECHNOLOG) 20.Sep. 1995 (20.09.2005)
 D2: JP2003-134045A (NEC CORP.) 09.May. 2003 (09.05.2003)

Claims 1, 9, 16

D1 discloses a radio broadcast electronic screen group-displaying system (See claim1&Fig.1) .It comprises a system controlling center A and multiple screens B. The system controlling center A comprises an edit unit for inputting and modifying the display text and analog displaying the set text (corresponding to an input source module and a display module) ; broadcast unit for arranging the schedule in next 24 hours and setting the Power ON/OFF time (corresponding to a power timing control module to control the state of modules) and an information encoding and transmitting unit for transmitting the display information and control code, which can apply the wireless paging system in prior art. Each screen B comprises a receiving and decoding system for demodulating the received information into base band information and generating the original display information code and control code by the decoding unit; a screen control system for performing the Power ON/OFF operation in predetermined time and clock correction according to the received control code (corresponding to a power timing control module and a time synchronization signal) and a screen driving system for displaying the information. D1 differs from Claims 1 in that there's a real-time information module in D1. D2 discloses an emergency information distribution system, which comprises a camera 1 installed in a predetermined area, a real-time encoder 2, stream distributing server 3 and base station 6 for wirelessly transmitting the stream to the portable terminal 7 for displaying. Since the group-displaying system also displays emergency information in real time, it is obvious to combine 1 and 2. Therefore, claim 1 lack an inventive step (PCT33(3)) .

As the same reason, claims 9,16 also lack an inventive step(PCT 33(3)).

Claims 3-5, 11-12, 18

Since D1 (See claim1&Fig.1) discloses an transmitting unit for transmitting the display information and control code, and using infrared ray and RF signal in transmission is widely used in the technical field of wirelessly transmission and the specific type of transmitter, transmitting power and frequency is only the choice from a limited range of possibilities. Therefore, claims 3-5, 11-12, 18 as a whole lack an inventive step (PCT33(3)) .

Claims 6, 13, 19, 7, 14, 20

Since obtaining video source from DVD player or flash card player is widely used in the art and LCD screen control board, screen and converter is widely used in LCD display module, therefore, Claims 6, 13, 19, 7, 14, 20 as a whole lack an inventive step (PCT33(3)) .

Claims 8, 15, 21

Since there're information receiving and decoding system, screen controlling system, screen driving system and screen environment controlling system in each screen B in D1(see fig.2) and displaying the received information after processing is widely used in the art. Therefore, Claims 8, 15, 21 as a whole lack an inventive step (PCT33(3)) .

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

There appears to be no disclosure or suggestion in D1 and D2 of a module for analyzing the received signal to determine whether it is a control signal or a display signal and then processing the signal accordingly. And by using this , the module can process the signal more quickly. Therefore, climes 2、 10、 17 meet the criteria set out in PCT33(2)and PCT33(3).

The invention of claims 1-21 find industrial applicability in the technical field of information distributing and meet the requirements of PCT Article 33(4).